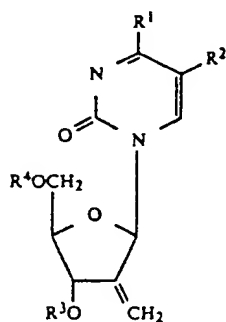


ABSTRACT

Pyrimidine 2'-deoxy-2'-methylidene nucleoside compounds:



wherein R¹ represents amino, hydroxy, silylamino, silyloxy, acylamino or acyloxy; R² represents hydrogen, halogen, a lower alkyl, a lower alkenyl, a lower alkynyl or haloalkyl; R³ and R⁴ represent the same or different hydrogen, silyl, acyl or aminoacyl, or a pharmaceutically acceptable salt or hydrate thereof, except that R¹ is amino or hydroxy, and both of R³ and R⁴ are hydrogen.

Said compounds possess excellent antitumor and antiviral activities, thus providing novel anticancer and antiviral agent.